

## CLAIMS:

1. A transmission system for transmitting a multiplex signal from a transmitter (10) to a receiver (14) via a transmission channel (12), in which the multiplex signal has a plurality of information sections comprising information about the multiplex signal, and in which the transmission system is provided with a return channel (16) from the receiver (14)

5 to the transmitter (10), characterized in that the receiver (14) has section selection means (29) for submitting a criterion for filtering information sections to the transmitter (10) via the return channel (16) and in that the transmitter (10) has section filtering means (38) for filtering information sections according to the submitted criterion and networking means (34) for transmitting the information sections that satisfy the criterion.

10 2. A transmission system as claimed in claim 1, characterized in that the section filtering means (38) are arranged for at least one of positive and negative filtering.

15 3. A transmission system as claimed in claim 1, characterized in that the networking means (34) are arranged for transmitting the selected information sections via an additional transmission channel (18).

20 4. A transmitter (10) for transmitting a multiplex signal via a transmission channel (12), in which the multiplex signal has a plurality of information sections comprising information about the multiplex signal, characterized in that the transmitter (10) has section filtering means (38) for filtering information sections according to the submitted criterion and networking means (34) for transmitting information sections that satisfy the criterion.

25 5. A transmitter (10) as claimed in claim 4, characterized in that the section filtering means (38) are arranged for at least one of positive and negative filtering.

6. A transmitter (10) as claimed in claim 4, characterized in that the section filtering means (38) are arranged for adding the submitted filtering criterion to a collection of criteria in response to receiving said submitted filtering criterion.

7. A transmitter (10) as claimed in claim 6, characterized in that the section filtering means (38) are arranged for removing a criterion from the collection after filtering a single information section that satisfies said criterion

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8. A transmitter (10) as claimed in claim 6, characterized in that the section filtering means (38) are arranged for removing a criterion from the collection when a revocation request is received for said criterion.

10 9. A receiver (14) for receiving a multiplex signal from a transmitter (10), in which the multiplex signal has a plurality of information sections comprising information about the multiplex signal, and in which the receiver (14) is provided with a connection for a return channel (16) from the receiver (14) to the transmitter (10), characterized in that the receiver (14) has section selection means (29) for submitting a criterion for filtering information sections to the transmitter (10) via the return channel (16).

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10. A receiver (14) as claimed in claim 9, characterized in that the section selection means (29) are arranged for sending a revocation request specifying a particular criterion to the transmitter (10) for causing the transmitter (10) to stop filtering information sections according to the particular criterion.

25 11. A method of transmitting a multiplex signal from a transmitter (10) to a receiver (14) via a transmission channel (12), in which the multiplex signal has a plurality of information sections comprising information about the multiplex signal, and in which the transmission system is provided with a return channel (16) from the receiver (14) to the transmitter (10), characterized in that the receiver (14) submits a criterion for filtering information sections to the transmitter (10) via the return channel (16) and in that the transmitter (10) filters information sections according to the submitted criterion and transmits the information sections that satisfy the criterion.